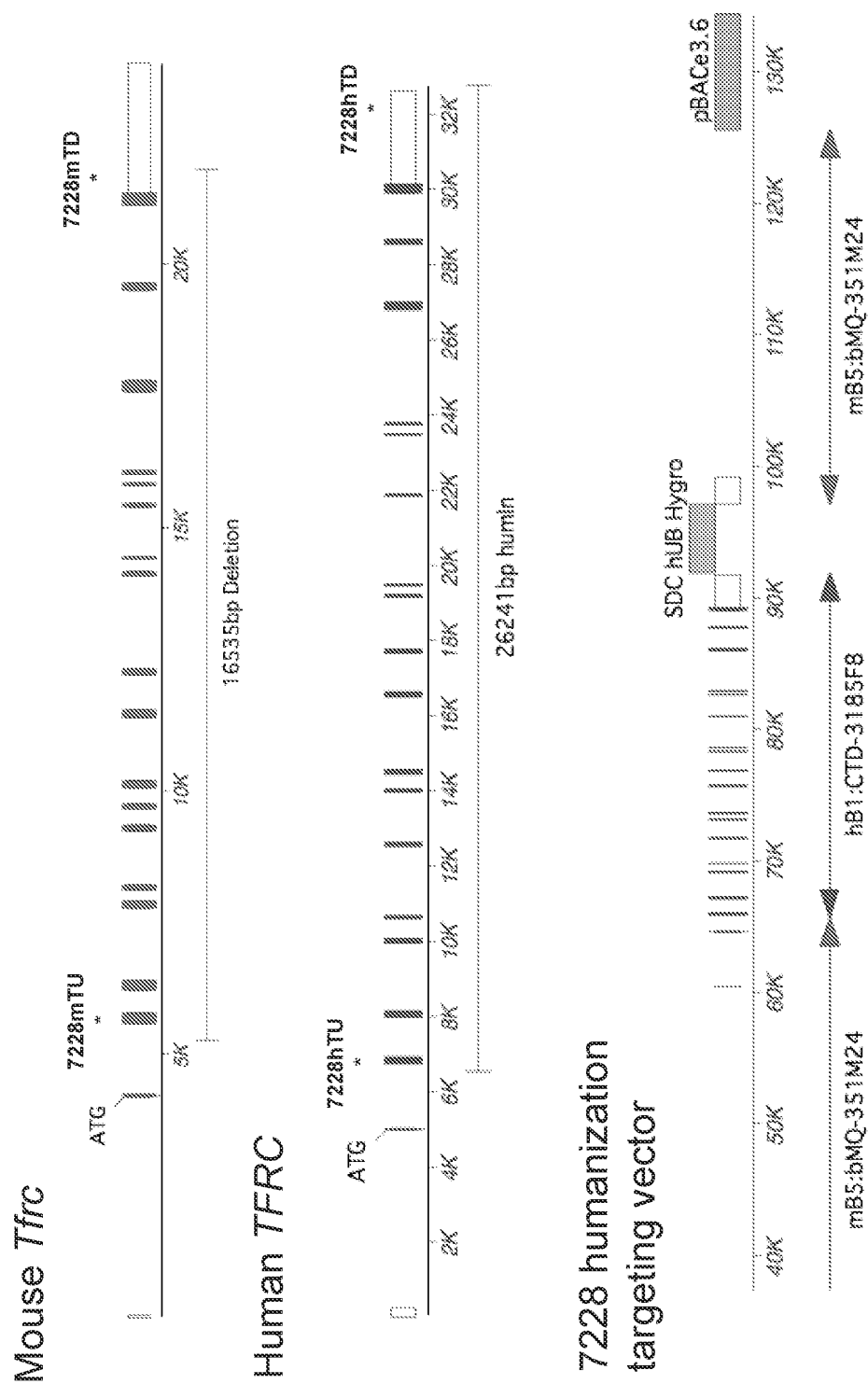


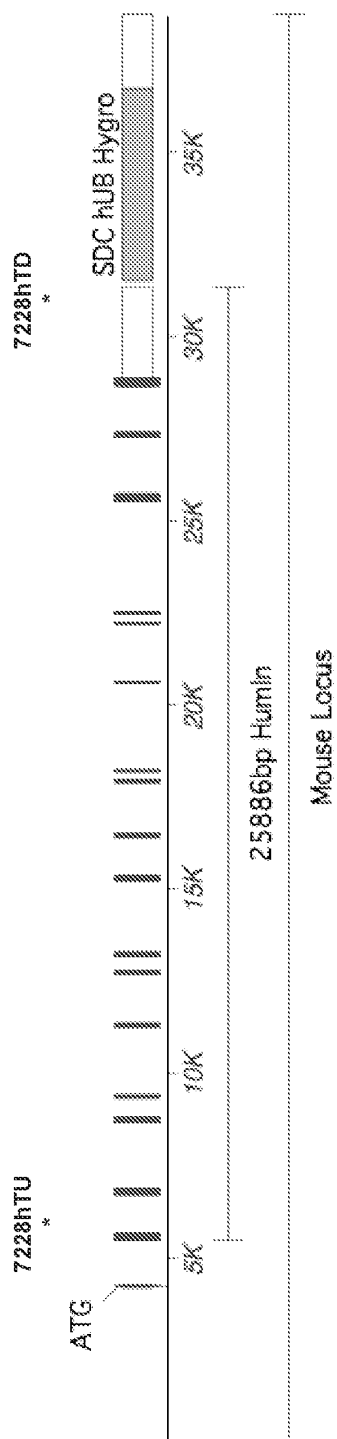
	Official Symbol	NCBI Gene ID	RefSeq mRNA ID	UniProt ID	Genomic Assembly	Location
Mouse	Tfrc	22042	NM_001357298.1	Q62351	GRCp39	Chr 16: 32427714-32451612(+)
Human	TFRC	7037	NM_001128148.3	P02786	GRCh38.p14	Chr 3: 196049284-196082090(-)

	Genome Build	Start	End	Length (bp)
5' mouse arm	GRCm38/mm10	chr16:32,548,579	32,614,239	65,661
Human Insert	GRCh38	chr3:196,075,456	chr3:196,049,415	26,240
3' mouse arm	GRCm38/mm10	chr16:32,630,774	Chr16: 32,659,232	28,459

FIGURE 1A



7228 allele : *TfR* humanization, contains hygromycin self-deleting cassette



7229 allele : *TfR HumIn*, deleted hygromycin cassette

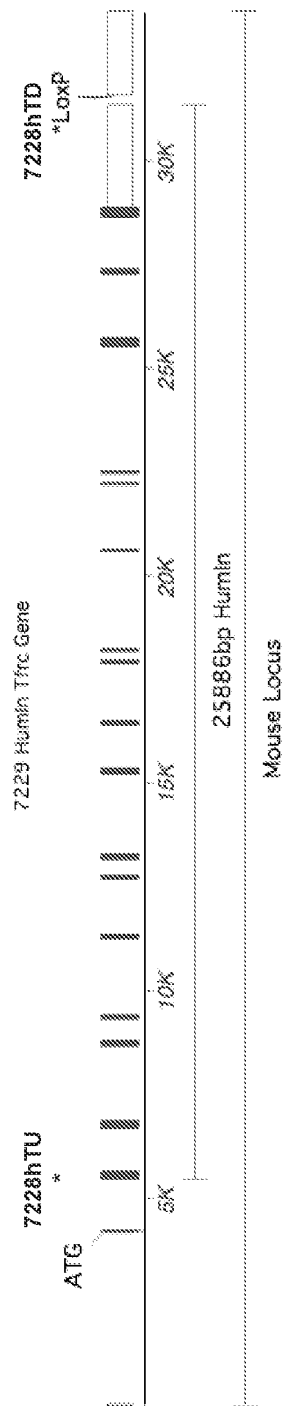
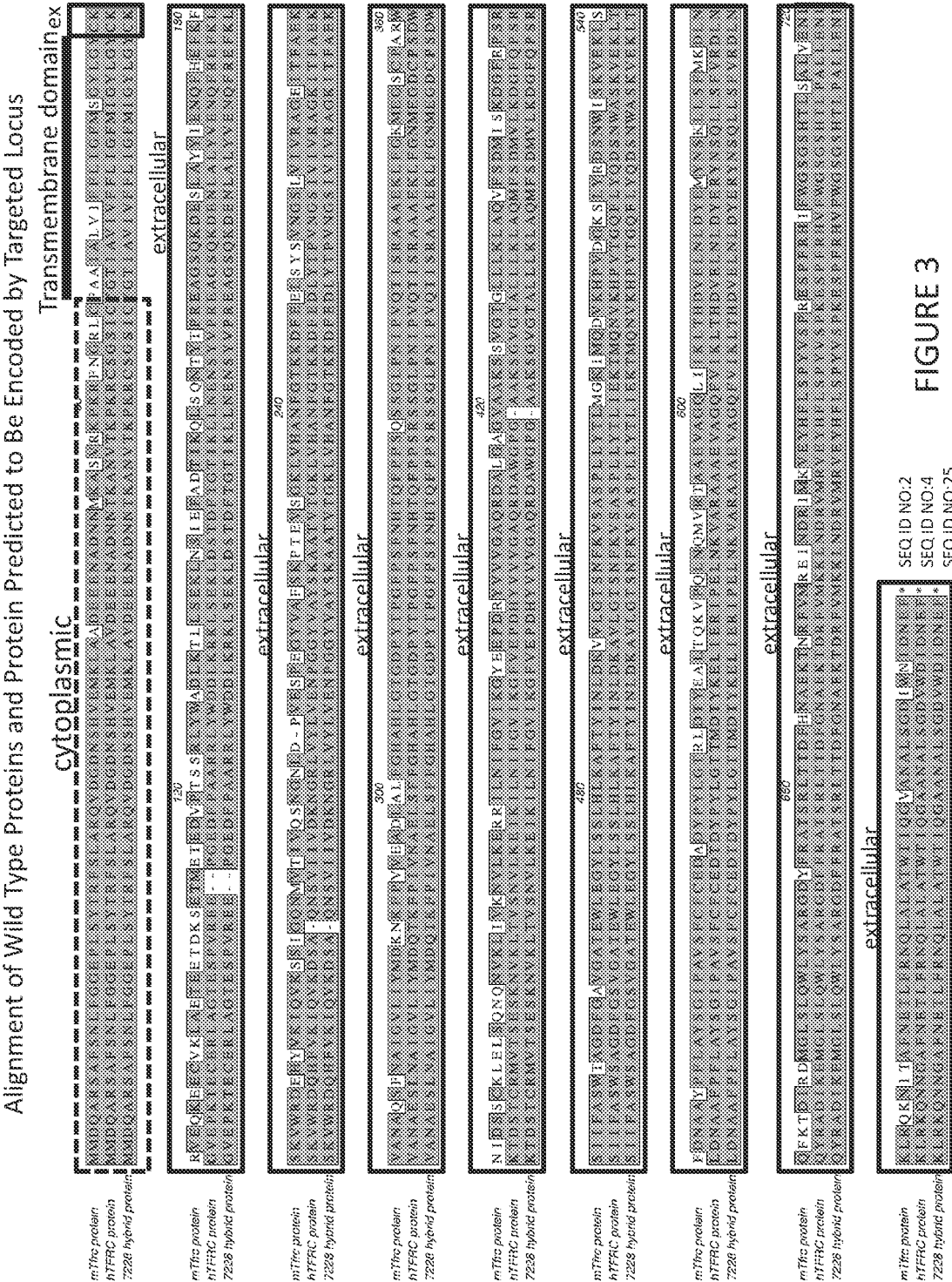


FIGURE 2



	Official Symbol	NCBI GeneID	RefSeq mRNA ID	UniProt ID	Genomic Assembly	Location
Mouse	Gaa	14387	NM_000152.5	P70699	GRCm38/mm10	chr11:119,267,967-119,285,698 (+)

guide names	Sequence (5'-3')	Genome Build	location	Length (bp)
9251mGU	GGCAGCATGAATACTTCTGA	GRCm38/mm10	chr11:119,270,092-119,270,111 (-)	20
9251mGU3	ACCACGGAGTTCGAACAGAG	GRCm38/mm10	chr11:119,270,151-119,270,170 (-)	20
9251mGD3	AATATACCCCTACCTGTGGCA	GRCm38/mm10	chr11:119,285,725-119,285,744 (+)	20
9251mGD4	TTGGTGGAGGAGACACGCCA	GRCm38/mm10	chr11:119,285,753-119,285,772 (+)	20

FIGURE 4

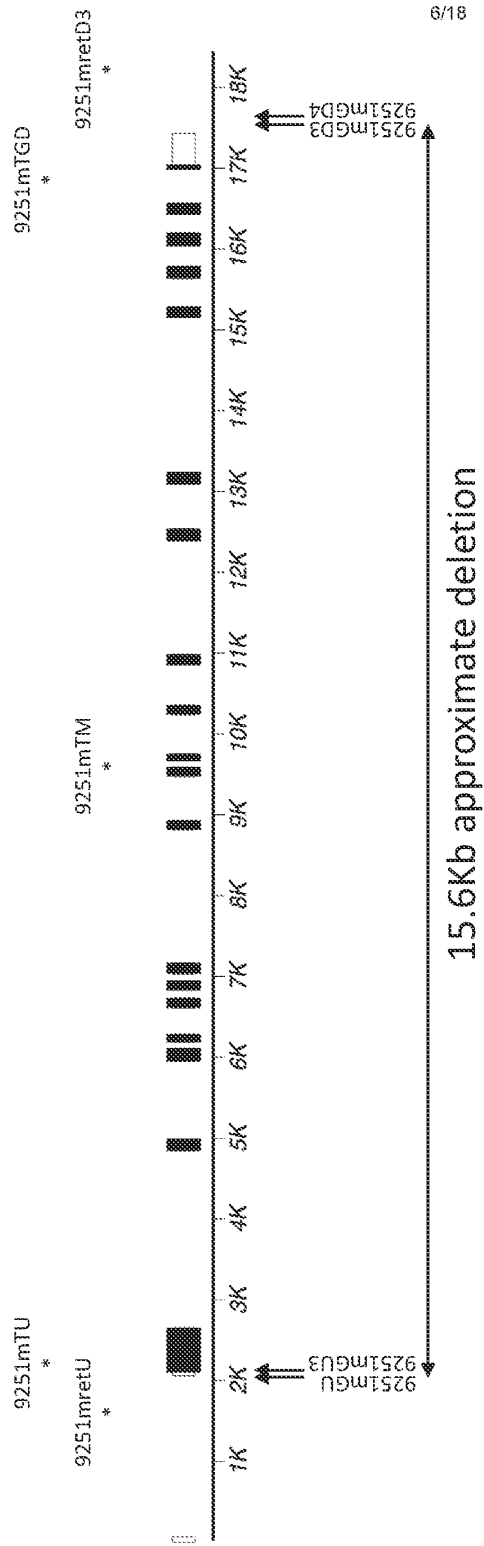


FIGURE 5

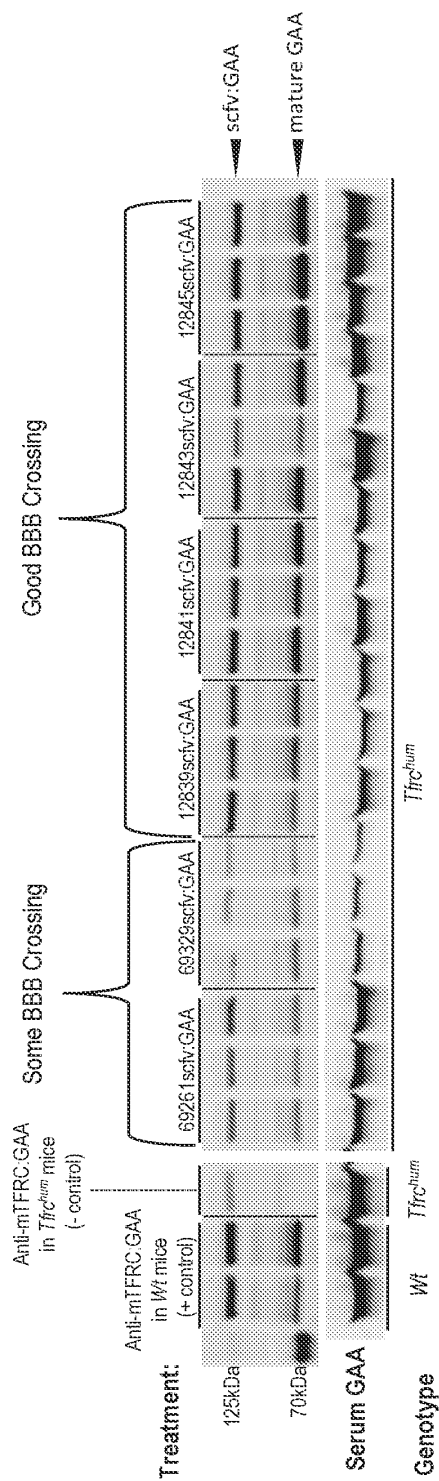


FIGURE 6A

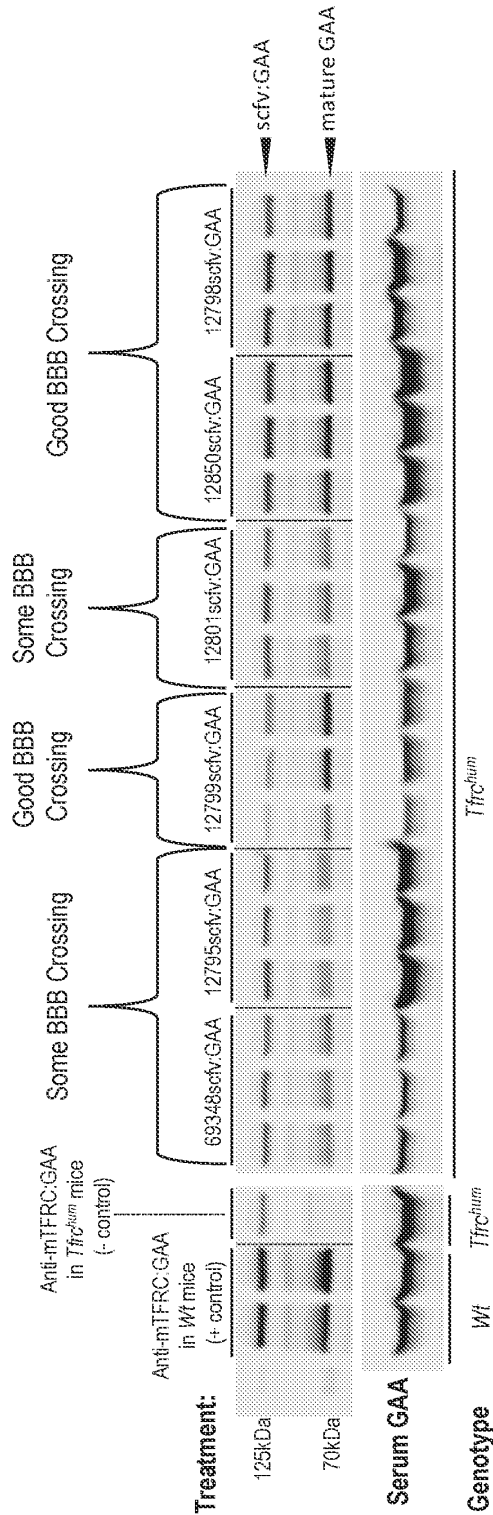


FIGURE 6B

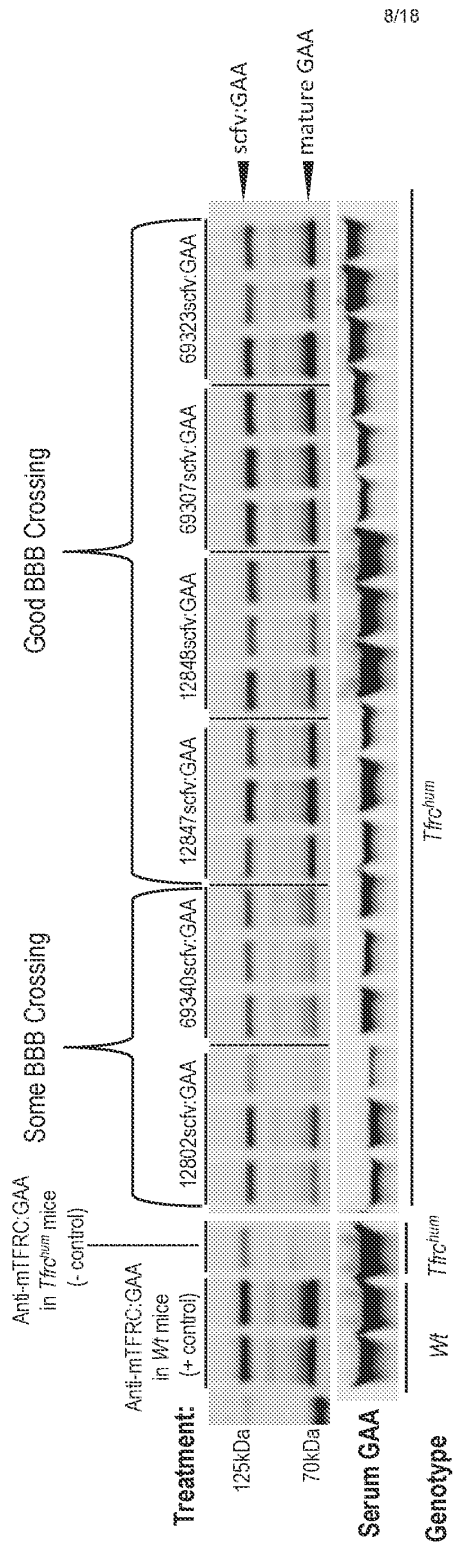


FIGURE 6C

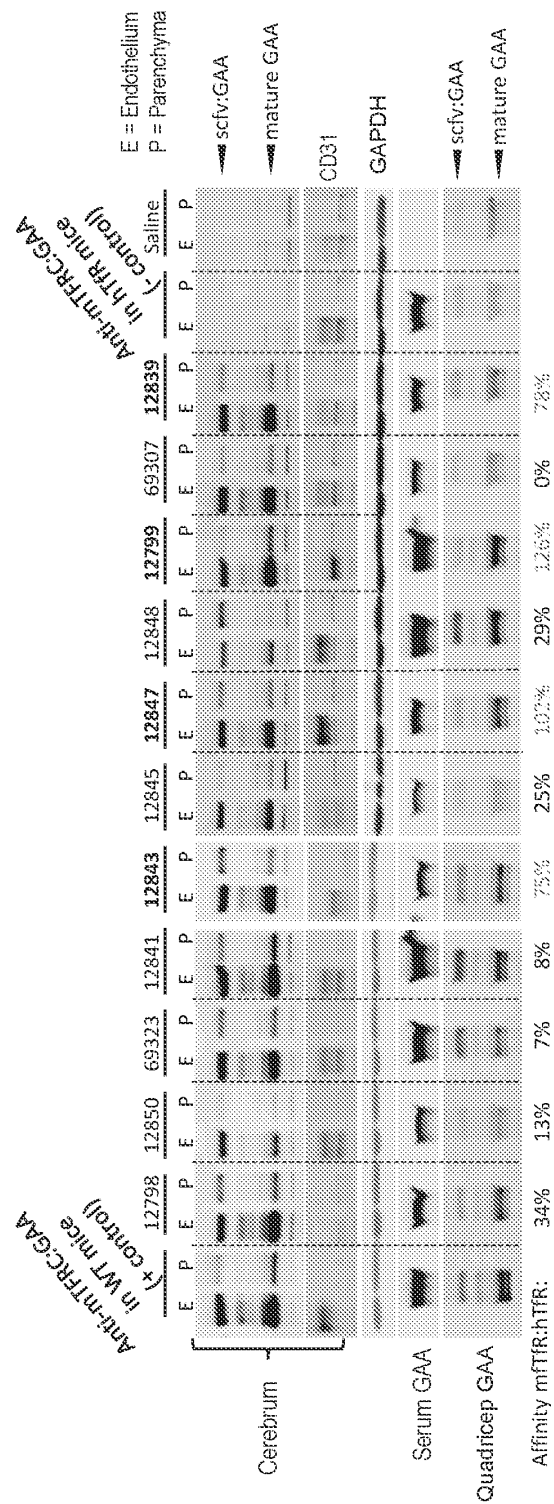


FIGURE 7

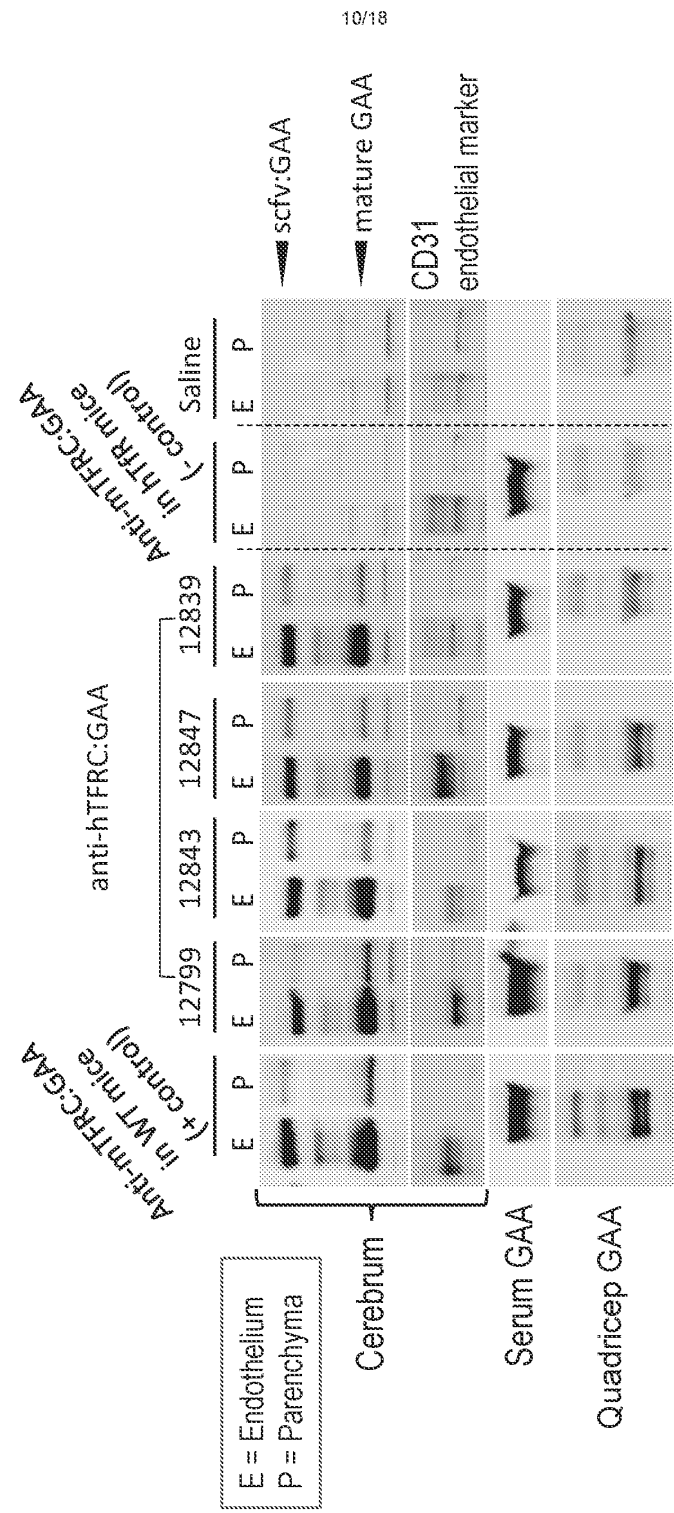


FIGURE 8

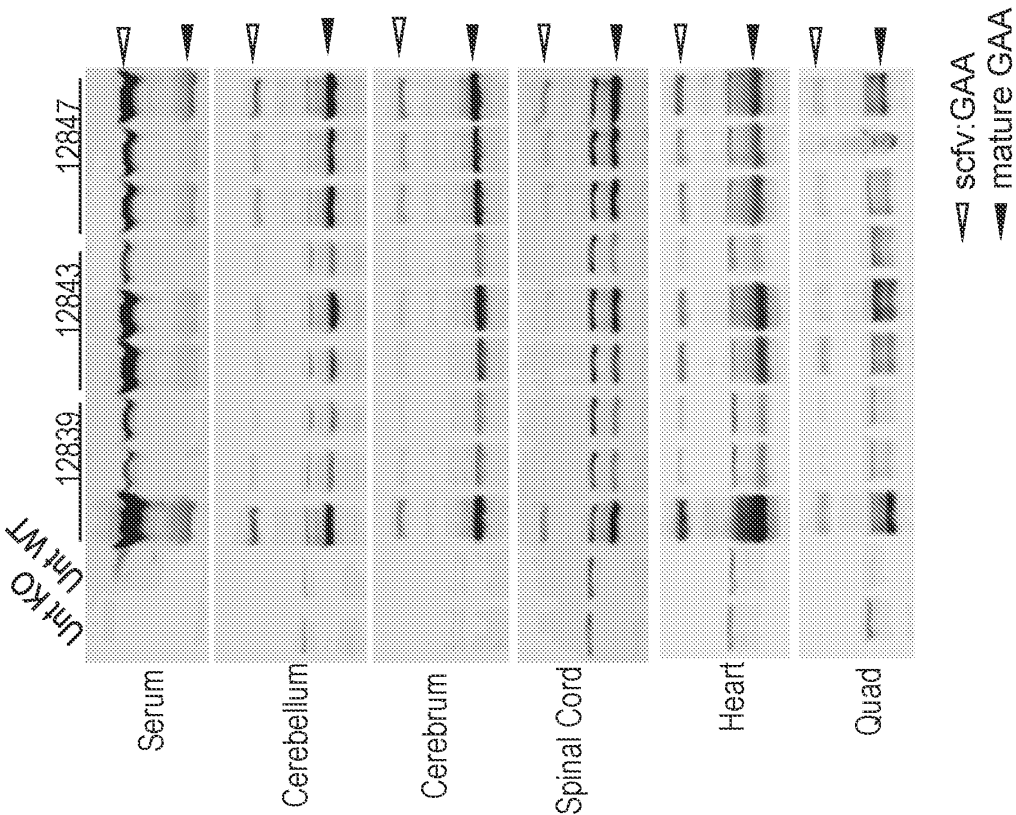


FIGURE 9

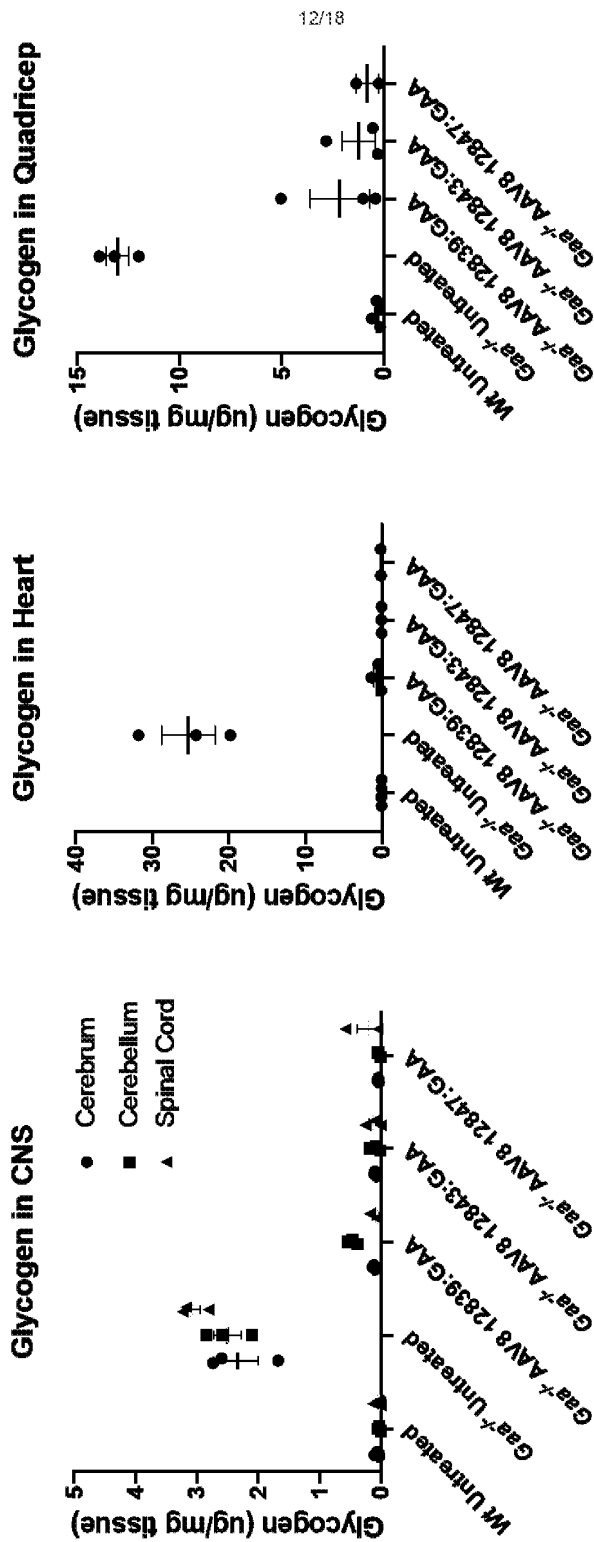


FIGURE 10

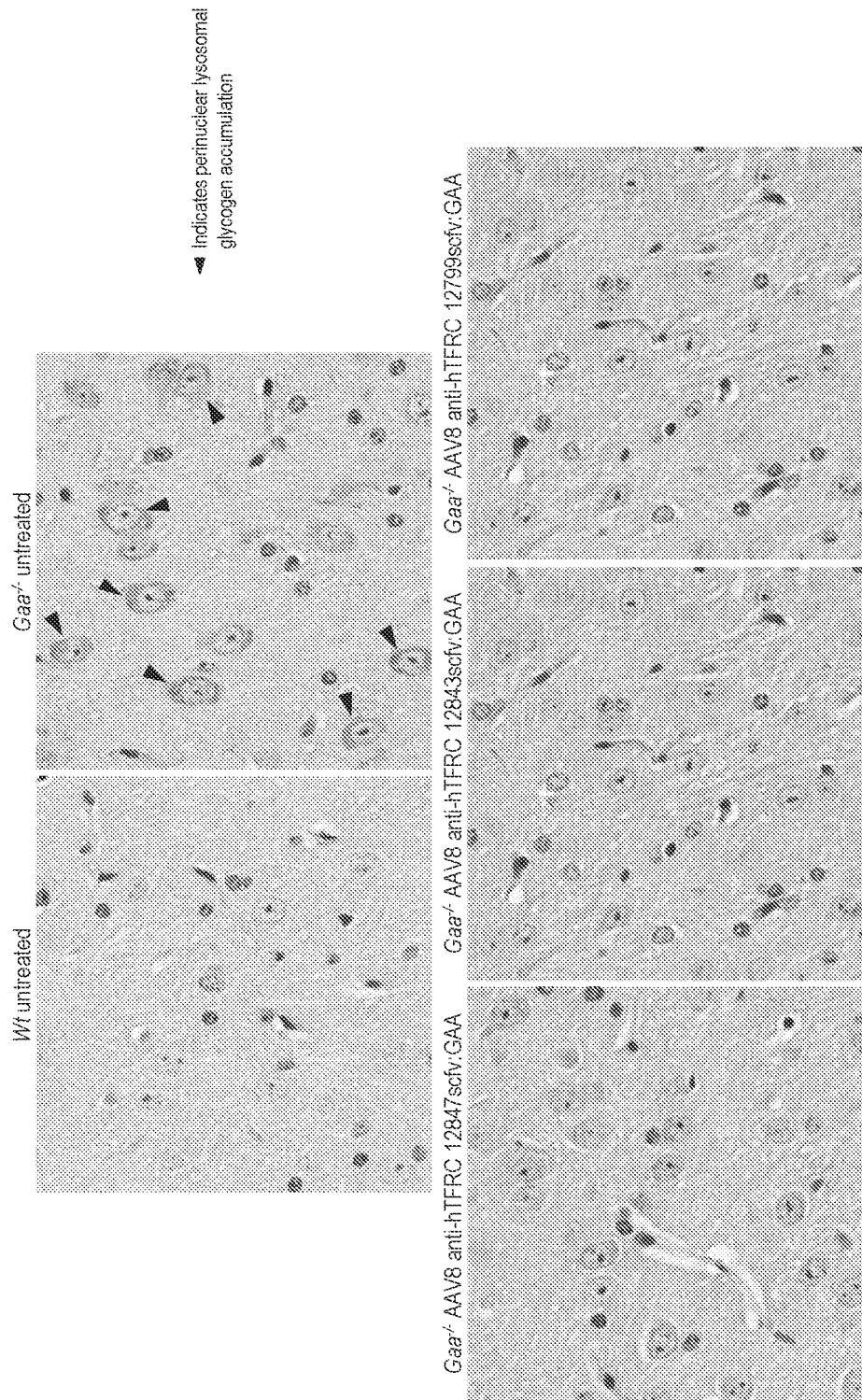


FIGURE 11A

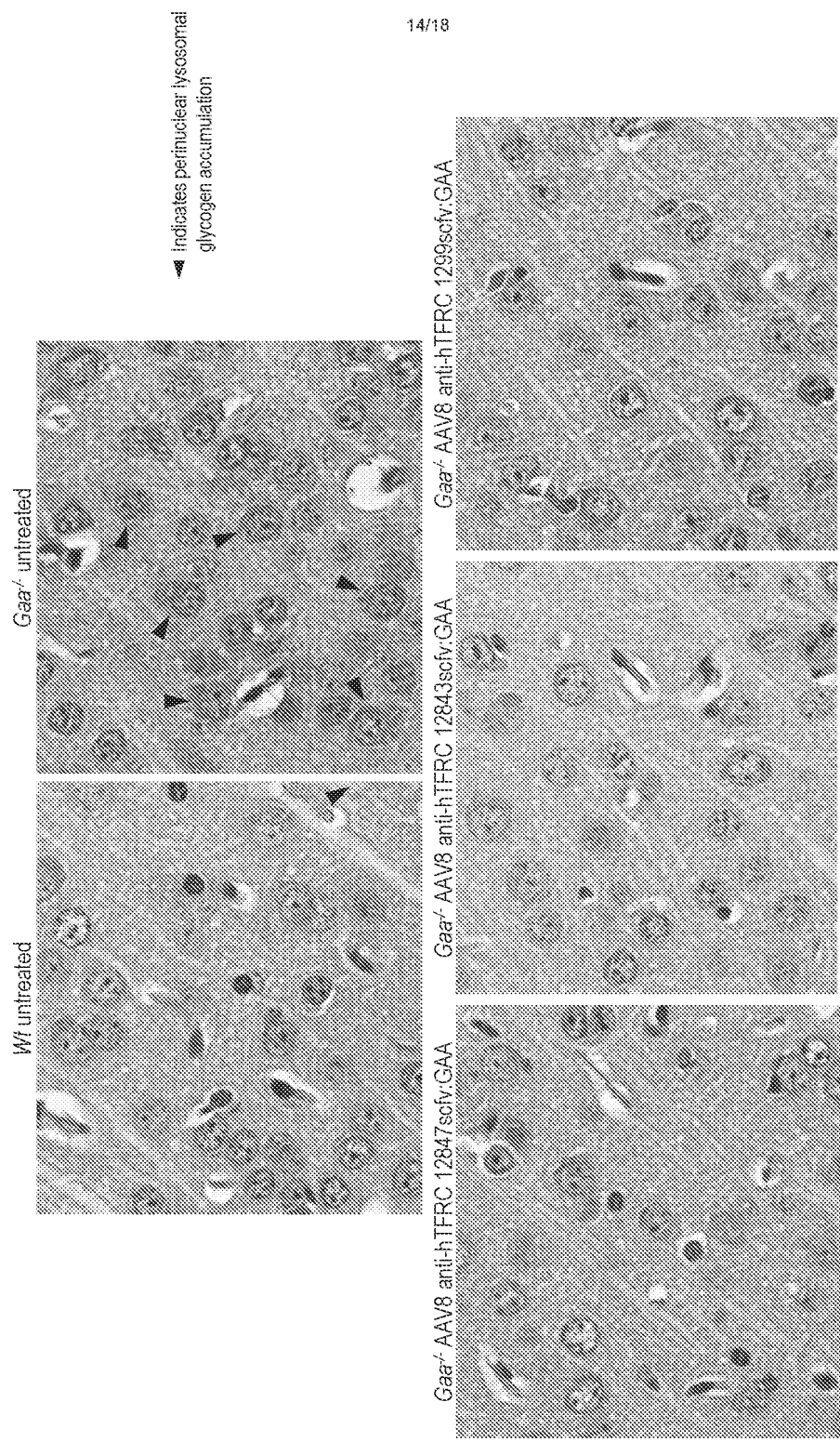


FIGURE 11B

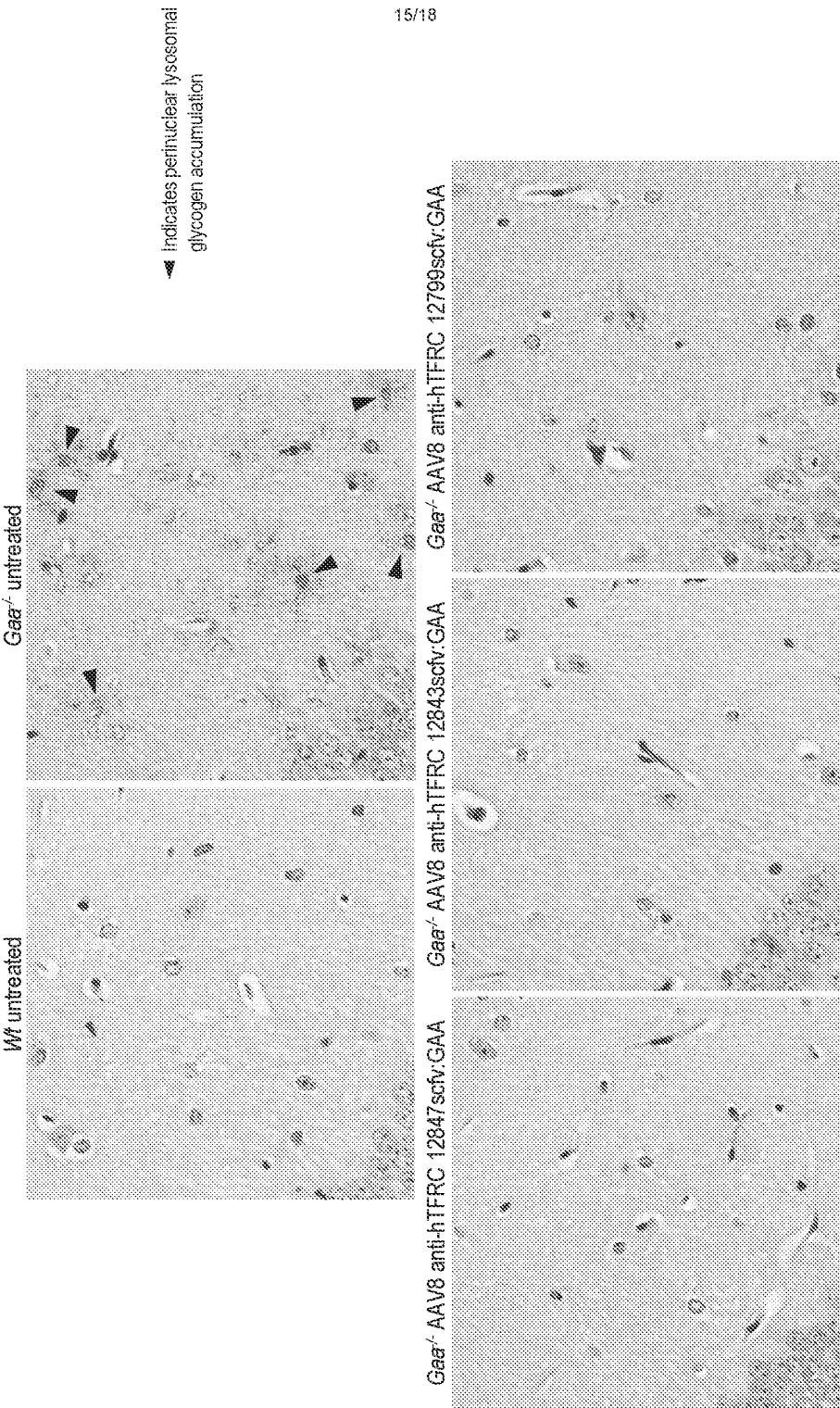


FIGURE 11C

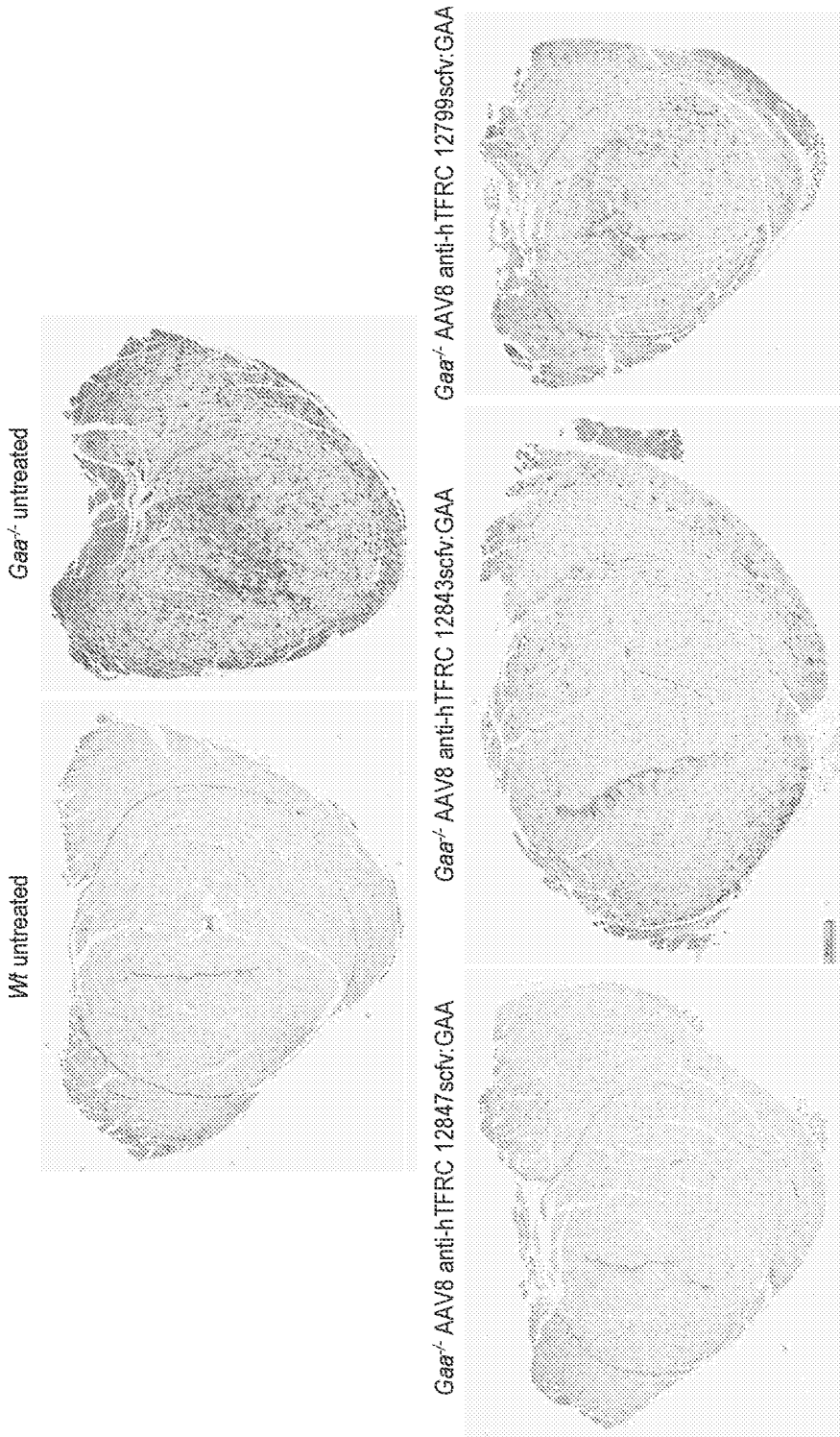


FIGURE 11D

FIGURE 12A

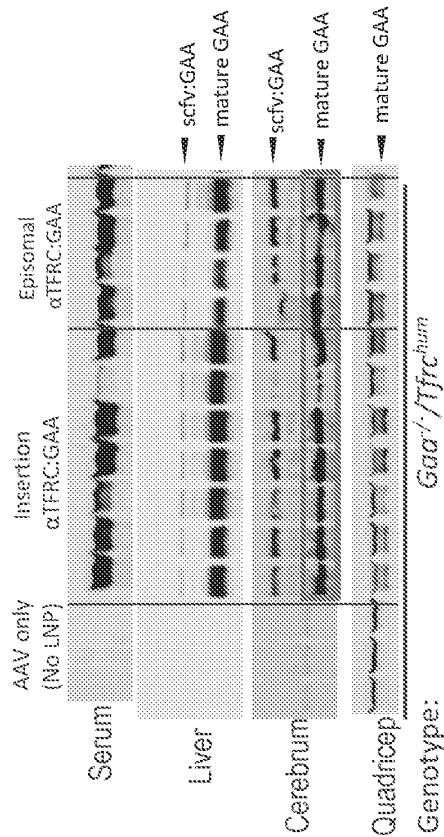
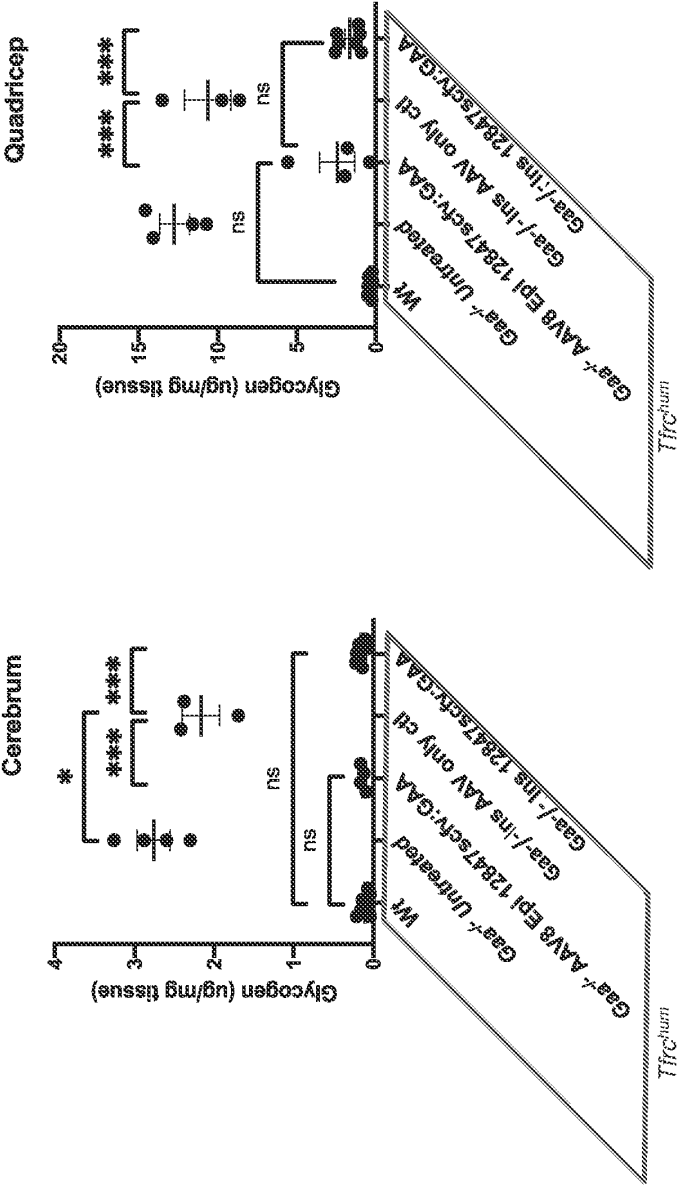


FIGURE 12B



One Way ANOVA * $p < 0.01$; ** $p < 0.001$; *** $p < 0.0001$